

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Docket Number (Optional) A-1789d1v		Application Number 10/716739			
		Applicant Pandian et al.					
		Filing Date herewith		Group Art Unit 1641			
U. S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	RULING DATE IF APPROPRIATE	
GR	4,946,958	8/1990	Campbell et al.				
GR	5,356,817	10/2002	Cole et al.				
GR	5,506,150	4/09/96	Canick et al.				
GR	5,660,990	08/1997	Rao et al.				
GR	6,127,186	10/03/00	Pandian				
GR	6,352,862	03/2002	Davis et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
GR	98/10282	3/12/1998	WO				No
GR	99/41584	8/19/1999	WO				No
GR	99/56132	11/04/1999	WO				No
GR	00/42428	7/20/2000	WO				No
GR	00/70094	11/23/2000	WO				No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
GR	Bahado-Singh R et al., "A high-sensitivity alternative to 'routine' genetic amniocentesis: multiple urinary analytes, nuchal thickness, and age." Am J Obstet Gynecol 1999 Jan;180(1 Pt 1):169-73.						
GR	Cole LA et al., "Urinary screening tests for fetal Down syndrome: I. Fresh β -core fragment." Prenat Diagn. 1999 Apr; 19(4): 340-50.						
GR	Bahado-Singh RO et al., "New triple screen test for Down syndrome: combined urine analytes and serum AFP." J Matern Fetal Med. 1998 May-June;7(3):111-4.						
GR	Kellner LH et al., "Levels of urinary beta-core fragment, total oestriol, and the ratio of the two in second-trimester screening for Down syndrome." Prenat Diagn. 1997 Dec;17(12):1135-41						
GR	Cole La et al., "Combining beta-core fragment and total oestriol measurements to test for Down syndrome ..." Prenat Diagn. 1997 Dec;17(12):1125-33.						
GR	Cuckle HS et al., "Urinary multiple marker screening for Down's syndrome." Prenat Diagn. 1995 Aug;15(8):745-51.						
GR	Bahado-Singh RO et al., "Comparison of urinary hyperglycosylated human chorionic gonadotropin concentration with the serum triple screen for Down syndrome detection in high-risk pregnancies." Am J Obstet Gynecol. 2000 Nov;183(5):1114-8						
GR	Cole LA et al., "Urinary screening tests for fetal Down syndrome: II. Hyperglycosylated hCG." Prenat Diagn. 1999 Apr; 19(4):351-9						
GR	Cole LA et al., "Hyperglycosylated hCG, a potential alternative to hCG in Down syndrome screening." Prenat Diagn. 1998 Sep; 18(9):926-33.						
GR	Hsu JJ et al., "Urine free beta-hCG and total estriol for Down syndrome screening during the second trimester in an Asian population." Obstet Gynecol 1999 Jul;94(1):107-11.						
EXAMINER	DATE CONSIDERED						
<i>Daryl Court</i>	4/22/04						
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

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						YES
						NO
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fr	Spencer K et al., "First-trimester urine free beta hCG, beta core, and total oestriol in pregnancies affected by Down's syndrome: implications for first-trimester screening with nuchal translucency and serum-free beta hCG." <i>Prenat Diagn</i> 1997 Jun;17(6):525-38.					
gr	Isozaki T et al., "Screening for Down syndrome pregnancy using β -core fragment: prospective study." <i>Prenat Diagn</i> 1997 May;17(5):407-13.					
gr	Spencer K et al., "Urine free beta hCG and beta core in pregnancies affected by Down's syndrome." <i>Prenat Diagn</i> 1996 Jul;16(7):605-13					
fr	Krichevsky A et al., "The development of a panel of monoclonal antibodies to human luteinizing hormone and its application to immunological mapping and two-site assays." <i>Endocrine</i> 1994, 2, 551-520					
gr	O'Conner JF et al., Differential Urinary Gonadotrophin Profiles in Early Pregnancy and Early Pregnancy Loss." <i>Prenat Diagn</i> 18: 1232-1240 (1998)					
fr	Unknown "Serum Hyperglycosylated hCG: a Potential Screening Test for Fetal Down Syndrome." <i>Prenat. Diagn.</i> 19:488-490 (1999)					
gr	Cole LA et al., "Hyperglycosylated Human Chorionic Gonadotropin (Invasive Trophoblast Antigen) Immunoassay: A New Basis for Gestational Down Syndrome Screening." <i>Clinical Chemistry</i> 45:12 2109-2119. (1999).					
gr	Abushoufa RA et al, "The development of a sialic acid specific lectin-immunoassay for the measurement of human chorionic gonadotrophin glycoforms in serum and its application in normal and Down's syndrome pregnancies." <i>Clinical Endocrinology</i> (2000) 52, 499-508.					
gr	Birken S. et al., "Development and Characterization of Antibodies to a Nicked and Hyperglycosylated Form of hCG from a Choriocarcinoma Patient." <i>Endocrine</i> , 10:(2) 137-144 April 1999.					
gr	Krichevsky A. et al., "Development, Characterization, and Application of Monoclonal Antibodies to the Native and Synthetic β COOH-Terminal Portion of Human Chorionic Gonadotropin (hCG) That Distinguishes between the Native and Desialylated Forms of hCG" <i>Endocrinology</i> 1994 Mar;134(3):1139-45.					
gr	Krichevsky A. et al. "Development and Characterization of a New, Highly Specific Antibody to the Human Chorionic Gonadotropin- β Fragment." <i>Endocrinology</i> 1991 Mar;128(3):1255-64.					
gr	"Utility of Commonly Used Commercial Human Chorionic Gonadotropin Immunoassays in the Diagnosis and Management of Trophoblastic Diseases" by Cole et al.; <i>Clinical Chemistry</i> , Feb. 2001, vol. 47, no. 2, pages 308-315					
gr						
EXAMINER		DATE CONSIDERED				
<i>Davy Conte</i>		4/22/04				
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